



"OEM BAD MARKS -- U.S. MARINE CORPS EXPERIENCE"

Blount Island Command



IUID Implementation: Making Every Dollar Count

January 11-13, 2011
San Diego, CA

- A significant number of Manufacturer IUID marking defects are being discovered. These include:
 1. Data Matrix is unreadable by any scanner
 2. Data Matrix does not comply with ECC 200 symbol (ISO/IEC 16022)
 3. Data Matrix does not contain proper syntax (ISO/IEC 15434)
Example: Header, Record Separator, End of Transmission
 4. Data Matrix does not contain proper semantics (ISO/IEC 15418 or ATA CSDD). Example: Data Identifiers, Application Identifiers
 5. Data Matrix contains incorrect item data
 6. Item is marked but not registered or Item is registered but not marked
 7. Item is registered with incorrect data

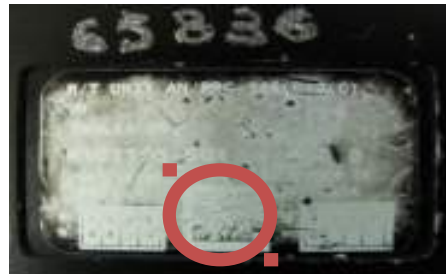


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- **TAM:** A2043, A2044
- **Nomenclature:** PRC-148 Urban (V1) & (V2)
- **NSN:** 5820-01-487-0973, 5820-01-487-0972
- **Manufacturer:** Thales Corporations, Inc.



Defects Found

- Data matrix is damaged and cannot be read
- Some part number's in the Ull do not match the item's part number
- Some Ulls do not contain the proper syntax
- Some Ulls have a serial number in the Ull that does not match the item serial number
- Some Ulls are not in the registry



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- **TAM:** D0017
- **Nomenclature:** M1102 MCC Trailer
- **NSN:** 2330-01-543-5794
- **Manufacturer:** Shutt Industries, Inc.



Defects Found

- Data Matrix is unreadable by any scanner: Poor quality dot peen mark from manufacturer
- Some UIDs do not match registry data
- Some UIDs are not registered at all



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- **TAM:** C7033
- **Nomenclature:** SHOP EQUIP CONTACT MAINT VEHICLE
- **NSN:** 4940-01-333-8471
- **Manufacturer:** US Army Armament Research



Defects Found

- Data Matrix does not contain proper syntax (i.e., header). IUID mark contains item's literal data.



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- **TAM:** D0215
- **Nomenclature:** MK970 SemiTrl Tanker
- **NSN:** 2330-01-537-8217
- **Manufacturer:** Heil Trailer International



Defects Found

- Data Matrix does not contain proper semantics - Unknown Data Identifier found "VIN"
- Some marks contained syntax header with no item data
- Some items were registered using VIN method and did not match IUID mark



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- **EC:** 512235
- **Nomenclature:** TRAILER ECU GEN
- **NSN:** 8340-01-533-1697
- **Manufacturer:** HDT Expeditionary Systems, Inc.



Defect

- Data matrix does not contain proper syntax and contains literal item data

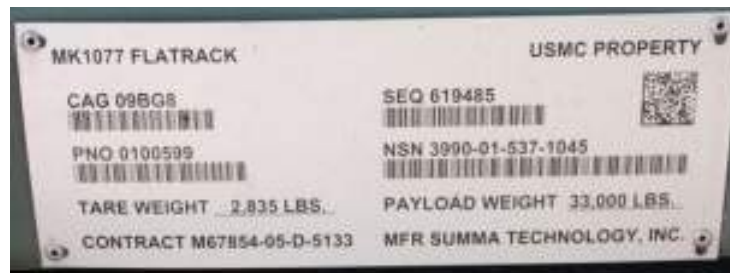


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- **TAM:** D0195
- **Nomenclature:** FLATRACK, PALLETIZED
- **NSN:** 3990-01-537-1045
- **Manufacturer:** Summa Technology, Inc.



Defects Found

- Data matrix does not meet ISO format standard. Invalid ISO 15434 Header - The first 3 characters found are "CAG"



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- **TAM:** B0640 **EC:** 511024
- **Nomenclature:** FLOODLIGHT SET,ELECTRIC
- **NSN:** 6230-01-530-8890 / 6330LLLC10766
- **Manufacturer:** Magnum Products



Defects Found

- IUID mark does not contain proper syntax (i.e., header)
- Manufacturer used Ull Construct 2 for creating the data matrix however registered the item using Ull Construct 1



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- **EC:** 07002
- **Nomenclature:** TRICON
- **NSN:** 8145LLLCC2971
- **Manufacturer:** Charleston Marine Containers, Inc.



Defects Found

- IUID marks do not contain the proper syntax.
- IUID marks contain literal data identifiers
- Manufacturer registered items with UII that did not match data matrix



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- **TAM:** D0201
- **Nomenclature:** MULTI-FUEL MOTORCYCLE
- **NSN:** 2340-01-530-9371
- **Manufacturer:** Hayes Diversified Technologies, Inc.



Defects Found

- Items marked correctly but not registered



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- **TAM:** A0273 / A0097
- **Nomenclature:** RADIO SET (20w) / (50w)
- **NSN:** 5820-01-557-8450 / 5820-01-565-9999
- **Manufacturer:** Harris, Inc.



Defects Found

- A0273 contained "Parent" IUID labels to be applied on the record jacket. A0097 did not come with "Parent" labels
- Some radio sets have the parent IUID registered and others do not
- Some subcomponent Ulls have not been registered



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BICmd Summary OEM Errors

Summary: OEM Marked Items Processed			
	OEM Mark Scanned	IUID Registered Verified	Marking Errors
Marine Corps Items	2,434	1,702	732
Navy Items	24	9	15
Totals	2,458	1,711	747



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Manufacturers With High Incidence of IUID Marking Defects

Manufacturer	ItemId	NSN	Nomenclature
CHARLESTON MARINE CONTAINERS, INC.	07002	814511CC2971	TRICON
FMW COMPOSITE SYSTEMS INC.	B0036	4930015339826	TANK AND PUMP UNIT
	B0037	4930015339830	TANK AND PUMP UNIT
HDT EXPEDITIONARY SYSTEMS INC.	512235	8340015331697	TRAILER ECU GEN
HEIL TRAILER INTERNATIONAL	D0215	2330015378217	SEMI-TRAILER REFUELER
KIPPER TOOL COMPANY	B0032	5180015508112	PIONEER KIT
LEX PRODUCTS, INC.	B0032	6110015321776	PANEL POWER DISTRIBUTION
MAGNUM PRODUCTS	511024	6230015308890	FLOODLIGHT SET.ELECTRIC
	B0640	6230015308890	FLOODLIGHT SET.ELECTRIC
SCHUTT INDUSTRIES, INC.	C7905	4940015504312	SHOP EQUIPMENT.GENERAL PURPOSE
	D0017	2330015435794	LIGHT TACTICAL TRAILER.MARINE CO
SUMMA TECHNOLOGY INC.	D0195	3990015371045	FLATRACK.PALLETIZED LOADING
HARRIS, INC.	A0273	5820-01-557-8450	RADIO SET (20w)
	A0097	5820-01-565-9999	RADIO SET (50w)
THALES CORPORATION, Inc.	A2043	5820-01-487-0973	PRC-148 Urban (V1)
	A2044	5820-01-487-0972	PRC-148 Urban (V2)
MECHANICAL EQUIPMENT COMPANY	B1570	4930011825028	PUMP ASSEMBLY EXPEDIENT REFUEL
CRANE PUMPS & SYSTEMS INC.	B1581	4320013181853	MODULE.WATER PUMP



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Manufacturer's With 80% of Defects At Blount Island Command

Manufacturer	Item ID	NSN	Nomenclature	%
W.S. DARLEY & CO.	B0676	4320011101993	FORWARD WATER POINT SET	0.9%
WESTWOOD CORPORATION	512461	6115014620291	GENERATOR SET, DIESEL ENGINE	1.1%
HARRIS CORPORATION	A2068	5820014622484	RADIO SET	1.1%
JOHN DEERE SHARE SERVICES INC.	B0060	2320015585671	TRACTOR, MEDIUM CRAWLER	1.1%
W.S. DARLEY & CO.	B1135	4930001881701	HELICOPTER FUEL SERV. SYS	1.1%
MANITEX LOAD KING INC.	B2565	2330015470272	TRAILER, FLAT BED	1.1%
BAE SYSTEMS LAND & ARMAMENTS L.P.	F0071	2540015464267	ARMOR SET, SUPPLEMENTAL, SMALL ARM	1.7%
SHUTT INDUSTRIES, INC.	C7905	4940015504312	COMMON 22. SHOP SET	1.9%
HEIL TRAILER INTERNATIONAL	D0215	2330015378217	SEMI-TRAILER, REFUELER	2.1%
HAYES DIVERSIFIED TECHNOLOGIES INC.	D0201	2340015309371	MULTI-FUEL MOTORCYCLE	2.7%
SEA BOX INC.	B0075	4130015657655	SMALL FIELD REFRIGERATION SYSTEM	3.3%
HARRIS CORPORATION	A2042	5820014923628	RADIO, HIGH FREQUENCY MANPACK	3.6%
MAGNUM PRODUCTS LLC	B0640	6230015308890	FLOODLIGHT SET, ELECTRIC	4.3%
W.S. DARLEY & CO. DBA OHLER PUMPS DIV OHLER PUMP	B1580	4930012404579	FUEL PUMP MODULE AY	4.3%
MECHANICAL EQUIPMENT COMPANY	B1570	4930011825028	PUMP ASSY, EXP REFUE	4.8%
CRANE PUMPS & SYSTEMS INC.	B1581	4320013181853	MODULE, WATER PUMP	5.1%
HDT FP INC.	B0014	4120015262397	AIR CONDITIONER, 3 TON	8.6%
MECHANICAL EQUIPMENT COMPANY INC.	B1620	4320014764795	PUMP UNIT SET	10.2%
SCHUTT INDUSTRIES, INC.	D0017	2330015435794	LIGHT TACTICAL TRAILER, MARINE CO	21.1%
				79.9%



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- **Summary**
 - Manufacturer IUID marking errors are being identified at an alarming rate
 - Manufacturer's must be held accountable for ensuring that their item's IUID mark is valid and registered
- **DOD Recommended COA**
 - Enforce DoD policy which mandates that new item acceptance testing includes IUID validation



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POCs

703-582-1636

904-714-6225

703-786-3638



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Questions

